**Amendments to the Specification:**

Please replace paragraph [201] comprising TABLE 3 with the following paragraph and table that is amended as shown below:

**[201]**

**TABLE 3. Oligonucleotides (Primer List)**

| Primer No. (SEQ ID NO:) | RCIII Name | ACTUAL SEQ (5' TO 3') |
|---|---|---|
| 1 | araD-BamHI | CGGGATCCTGGTAGGGAACGAC (SEQ ID NO:1) |
| 2 | araD-PmeI | AGCTTTGTTTAAACAGCAAATGCGCTTTGATA (SEQ ID NO:2) |
| 3 | araC-PmeI | GTCATTGTTTAAACTTGCCATCGTCTTACTCC (SEQ ID NO:3) |
| 4 | araC-SphI | ACATGCATGCGGACGATCGATAA (SEQ ID NO:4) |
| 5 | araE N-SphI | GACTGCATGCATGGTGTTGGTACA (SEQ ID NO:5) |
| 6 | araE N-PmeI | GTCATTGTTTAAACGGCGTGTAATCCTCCCTC (SEQ ID NO:6) |
| 7 | araE C-PmeI | GTCATTGTTTAAACCTGCCACAACAGAGTAAG (SEQ ID NO:7) |
| 8 | araE C-BamHI | CGGGATCCCATAGCGGTAGATG (SEQ ID NO:8) |
| 9 | araD-NcoI,PmeI | GATGCCATGGTTTAAACTATATTCAGCAAATGCG (SEQ ID NO:9) |
| 10 | araD-NcoI,SD | GATGCCATGGTCTGTTTCCTCGTCTTACTCCATCC (SEQ ID NO:10) |
| 11 | c2-PacI | GGTTAATTAATTATGGAAGATTTGCGAGT (SEQ ID NO:11) |
| 12 | c2-NcoI | CATGCCATGGCTATGAATACACAATTGA (SEQ ID NO:12) |
| 13 | lacI-XbaI | GCTCTAGATCACTGCCCGCTTTCC (SEQ ID NO:13) |
| 14 | lacI-PacI | GGTTAATTAAGGGTGGTGAATGTGAA (SEQ ID NO:14) |
| 15 | rrfG TT PstI,XbaI-5' PmeI,BamHI-3' | AACTGCAGTCTAGATTATGCGAAAGGCCATCCTGAC GGATGGCCTTTTTGTTTAAACGGATCCGC (SEQ ID NO:15) |
| 16 | rrfG TT-COMP | GCGGATCCGTTTAAACAAAAAGGCCATCCGTCAGGA TGGCCTTTCGCATAATCTAGACTGCAGTT (SEQ ID NO:16) |
| 17 | endA N-BamHI | CGGGATCCGCTACGAAATCCGCCTCAAC (SEQ ID NO:17) |
| 18 | endA N-HindIII | CCCAAGCTTAGCAAAACGAGCCCGCAACG (SEQ ID NO:18) |
| 19 | endA C-HindIII | CCCAAGCTTCCTACACTAGCGGGATTCTTG (SEQ ID NO:19) |
| 20 | endA C-SphI | ACATGCATGCCGCAGCGCTCAGAG (SEQ ID NO:20) |
| 21 | fcl-SphI | GCACGCATGCAACAGCAGTATGTTCACG (SEQ ID NO:21) |
| 22 | fcl-XbaI | CCTCTAGAGAATGAATAAGCAACGAA (SEQ ID NO:22) |

| | | |
|---|---|---|
| 23 | wcaF-XbaI | GCTCTAGATCCTCAAATAGTCCCGTTAGG (SEQ ID NO:23) |
| 24 | wcaF-SmaI | TCCCCCGGGCAAAATATTGTATCGCTGG (SEQ ID NO:24) |
| 25 | gmm-SphI | GCACGCATGCTCAGGCAGGCGTAAATCGCTCT (SEQ ID NO:25) |
| 26 | gmm-XbaI | CCTCTAGACAATGTTTTTACGTCAGGAAGATT (SEQ ID NO:26) |
| 27 | relA C-SphI | ACATGCATGCCCAGATATTTTCCAGATCTTCAC (SEQ ID NO:27) |
| 28 | relA C-EcoRI | CGGAATTCACCCCAGACAGTAATCATGTAGCGG (SEQ ID NO:28) |
| 29 | relA N-EcoRI | CGGAATTCAAGGGACCAGGCCTACCGAAG (SEQ ID NO:29) |
| 30 | relA N-BamHI | CGGGATCCGAGGGCGTTCCGGCGCTGGTAGAA (SEQ ID NO:30) |
| 31 | msbB C-SmaI | TCCCCCGGGTTATGCTGTCTGCCGAAACC (SEQ ID NO:31) |
| 32 | msbB C-BglII | GAAGATCTGTAAGAGAGGCTTTATGCTGAC (SEQ ID NO:32) |
| 33 | msbB N-BglII | GAAGATCTCAGGGTCTGCTGACGCGAAAAG (SEQ ID NO:33) |
| 34 | msbB N-SphI | ACATGCATGCTGCCGGTTACTACATTGCGATTC (SEQ ID NO:34) |
| 35 | SalFliC-SphI | CATGCATGCAGGCAGGTTCAGGTACGGTGA (SEQ ID NO: 35) |
| 36 | SalFliC-BamHI | CGGGATCCGTTATCGGCAATCTGGAGGCAA (SEQ ID NO:36) |
| 37 | FljB C-SacI | GCGAGCTCTTCAAGAATTGCCAGAGAC (SEQ ID NO:37) |
| 38 | FljB C-EcoRI | CCGAATTCGGGGCTTTTTCAT (SEQ ID NO:38) |
| 39 | FljB N-EcoRI | CCGAATTCAGCAGACTGAACCGCCAGT (SEQ ID NO:39) |
| 40 | FljB N-KpnI | GGGGTACCTAATCAACACTAACAGTCT (SEQ ID NO:40) |
| 41 | EmurA 5'-EcoRI | CGGAATTCTGAGAACAAACTAAATGG (SEQ ID NO:41) |
| 42 | EmurA 3'-EcoRI | CGGAATTCTTATTCGCCTTTCACACGC (SEQ ID NO:42) |
| 43 | EaraC 5'-NsiI | CCAATGCATAATGTGCCTGTCAAATGG (SEQ ID NO:43) |
| 44 | EaraBAD 3'-EcoRI | CGGAATTCGCTAGCCCAAAAAAACG (SEQ ID NO:44) |
| 45 | EMGTGRV-NcoI | CATGCCATGGAGCTCGGTACCCGGGGAT (SEQ ID NO:45) |
| 46 | EMGTG-NcoI,EcoRI | CATGCCATGGAATTCTGAGAACAAACTAAGTGGATAAA TTTCGTGTTCAG (SEQ ID NO:46) |
| 47 | PVAX-5 | CGACCCGGGATCGATCTGTGCGGTATTTCACACCG (SEQ ID NO:47) |
| 48 | PVAX-3 | GCACCCGGGTCGACAGATCCTTGGCGGCGAGAAAG (SEQ ID NO:48) |
| 49 | EASZ240 KpnISD | GGGGTACCAGGGGCCGCCACCATGGCACGTTTCTTTGT ATTTCCTTACTCAGTTAAAATGGG (SEQ ID NO:49) |
| 50 | EASZ240XhoI | CGGCTCGAGTTAGAAGCCGCCCTGGTACAGGTACT (SEQ ID NO:50) |
| 51 | 240-KpnI | GGGGTACCAGGAGCCGCCACCATGGCACGTTTC (SEQ ID NO:51) |
| 52 | 240-BamHI-XhoI | CGGGATCCCTCGAGTTATTATTTATCATCATCATCTTT ATAATCGAAGCCGCCCTGGTACAGGTACTCA (SEQ ID NO:52) |

| | | |
|---|---|---|
| 53 | EAMZ250KpnISD | GGGGTACCAGGAGCCGCCACCATGGCTCCTTTGCCCTT TTCTCCTCCTT (SEQ ID NO:53) |
| 54 | EAMZ250XhoI | CCGCTCGAGCTACGAACGCGCGAGGATACGGCGTGCGGT (SEQ ID NO:54) |
| 55 | 250-KpnI | GGGGTACCAGGAGCCGCCACCATGGC (SEQ ID NO:55) |
| 56 | 250-BamHI-XhoI | CGGGATCCCTCGAGTTATTATTTATCATCATCATCTTT ATAATCCGAACGCGCGAGGATACGGCGTGCGGT (SEQ ID NO:56) |
| 57 | sipB-NdeI | GCAATTCCATATGGTAAATGACGCAAGTAGCATTAG (SEQ ID NO:57) |
| 58 | sipB-BamHI | CCGGATCCTTTATTTTGGCAGTTTTTATGCG (SEQ ID NO:58) |
| 59 | PstI-P22PR | AACTGCAGTCCTACGCTCACCCATCAATTG (SEQ ID NO:59) |
| 60 | XbaI-trpATT | GCTCTAGAAGATCTAGCCCGCCTAATGAGCGG (SEQ ID NO:60) |
| 61 | PmeI-Ptrc | AGCTTTGTTTAAACGGATCTTCCGGAAGACCTTCCATTC (SEQ ID NO:61) |
| 62 | XbaI-pBR | GCTCTAGACTGTCAGACCAAGTTTACTCATA (SEQ ID NO:62) |
| 63 | KpnI-c2-N | CGTTGGTACCAGGAGACTTAACTATGAATACACAA (SEQ ID NO:63) |
| 64 | SacI-c2-C | CGGCGAGCTCTTATGGAAGATTTGCGAGTTTTGC (SEQ ID NO:64) |
| 65 | XbaI-N | TGCTCTAGATGTGCATGGCAATCGCCCAAC (SEQ ID NO:65) |
| 66 | SphI, ScaI-N | ACATGCATGCTAATGAGAGCTCAGCGTTTTTTCCTGCAAAGAG ATGTGC (SEQ ID NO:66) |
| 67 | SphI-C | ACATGCATGCTAGTGGCTATTGCAGCGCTTA (SEQ ID NO:67) |
| 68 | XmaI-C | TCCCCCGGGTATCTGCGTCGTCCTACCTTC (SEQ ID NO:68) |
| 69 | endA N-SacI-5' | CGAGCTCGCTACGAAATCCGCCTCAAC (SEQ ID NO:69) |
| 70 | endA N-BglII-3' | GAAGATCTTAGCAAAACGAGCCCGCAACG (SEQ ID NO:70) |
| 71 | endA C-EcoRI-5' | GGAATTCCCTACACTAGCGGGATTCTTG (SEQ ID NO:71) |
| 72 | endA C-kpnI-3' | GGGGTACCGTTTAACGCCGCAGCGCTCAGAG (SEQ ID NO:72) |
| 73 | lacI EcoRI-3' | GGAATTCTCACTGCCCGCTTTCCAGTCGGG (SEQ ID NO:73) |
| 74 | lacI XhoI-5' | CCGCTCGAGAGGATGGTGAATATGAAACCAGTAACGTT (SEQ ID NO:74) |
| 75 | relA C-KpnI | GGGGTACCCCAGATATTTTCCAGATCTTCAC (SEQ ID NO:75) |
| 76 | relA C-EcoRI | CGGAATTCACCCCAGACAGTAATCATGTAGCGGCT (SEQ ID NO:76) |
| 77 | relA N-BglII | GAAGATCTAAGGGACCAGGCCTACCGAAG (SEQ ID NO:77) |
| 78 | relA N-SacI | CGAGCTCGAGGGCGTTCCGGCGCTGGTAGAA (SEQ ID NO:78) |
| 79 | V.fliC 1 XmaI | TCCCCCCGGGCGCTATCGAGCGTCTGTCTTCCGG (SEQ ID NO:79) |

| | | |
|---|---|---|
| 80 | V fliC 2 EcoRI | GGGAATTCCTTATATTTTTGTTGCACATTCAG (SEQ ID NO:80) |
| 81 | V fliC 2 EcoRI | GGGAATTCACGTTACGTTCTGACCTGGGTGCG (SEQ ID NO: 81) |
| 82 | V fliC 4 SphI | ACATGCATGCCGTCTTATCCAGCGTGATTTTCCA (SEQ ID NO:82) |
| 83 | V.fljB 1 XmaI | TCCCCCCGGGCTGGTCTGCGTATCAACAGC (SEQ ID NO:83) |
| 84 | V fljB 2 EcoRI | GGGAATTCATCATACGCTTTCTGCACGTT (SEQ ID NO:84) |
| 85 | V fljB 3 EcoRI | GGGAATTCCAGAAAATTGATGCCGCGCTG (SEQ ID NO:85) |
| 86 | V fljB 4 SphI | ACATGCATGCCATAGAATAATCCCGCGGCC (SEQ ID NO:86) |
| 87 | sifA SacI-C | TGATGAGCTCTTTCTCTTCTCCAAAATCTC (SEQ ID NO:87) |
| 88 | sifA KpnI-N | CTTAGGTACCGGTCGATTTAATCAATTATG (SEQ ID NO:88) |
| 89 | sifA-SacI-C | GCAAGAGCTCCTCTTCGTTTTGATCCATG (SEQ ID NO:89) |
| 90 | sifA-XhoI BglII-C | GCCGGATCCAGATCTTATCTACTCGAGAGGAAAAAAACGCTAT GCCGATTACTATAGGG (SEQ ID NO:90) |
| 91 | sifA-XhoI BglII-N | CCTCTCGAGTAGATAAGATCTGGATCCGGCGCGGATGATGTTG TAGATTTG (SEQ ID NO:91) |
| 92 | sifA-KpnI-N | GCAGGTACCCGGCAATGGGCCTGTTCTAC (SEQ ID NO:92) |
| 93 | dnaB-SphI | ACATGCATGCCGCGCGGATAAACGTCCGGTGAAC (SEQ ID NO:93) |
| 94 | dnaB-BamHI | CGCGGATCCTGTTAAAAGAATGACGGAGAGTTAC (SEQ ID NO:94) |
| 95 | tyrB-BamHI | CGTGGATCCGTGGCGCTTGCGCTTATCCGGCTTG (SEQ ID NO:95) |
| 96 | tyrB-XmaI | TCCCCCGGGCTTCGGCTTCGGCCACCGTTTT (SEQ ID NO:96) |
| 97 | ycgO-SphI | ACATGCATGCGAATGCGAAATTCGCCGACGTG (SEQ ID NO:97) |
| 98 | ycgO-BamHI | CGCGGATCCTAATTCAGGCTAAGGCGTCGACC (SEQ ID NO:98) |
| 99 | dadA-BamHI | CGCGGATCCTTATCAGTTATGCGCGCTATGCAA (SEQ ID NO:99) |
| 100 | dadA-SmaI | TCCCCCGGGCTTTAATACCGACTTACTGCAACC (SEQ ID NO:100) |
| 101 | murA KpnI-3' | GGGGTACCCGTAGCCCTCTTCCAGCTTGATG (SEQ ID NO:101) |
| 102 | murA XhoI-5' | CCGCTCGAGGGATAAATTTCGTGTACAGGGGC (SEQ ID NO:102) |
| 103 | yrbA BglII-3' | GAAGATCTTTAAAATCCGTTAAGTTTACGAT (SEQ ID NO:103) |
| 104 | yrbA SacI-5' | CGAGCTCCCGGCCTACACTTCGCATGATCC (SEQ ID NO:104) |

Please replace para. [273] that spans pages 86 to 87 with the following amended paragraph:

[273] To establish a balanced-lethal host-vector system, the drug-resistance marker present in pVAX1 was replaced with a regulatable *ara*C PBAD *asd* cassette (see Figure 37B). The 2.1 kb DNA fragment containing the eukaryotic DNA expression cassette was PCR-amplified from the pYA3587 (Figure 37A) DNA template with a pair of primers (Primer 47: 5'CGACCCGGGATCGATCTGTGCGGTATTTCACACCG 3', SEQ ID NO:47, and Primer 48: 5'GCACCCGGGTCGACAGATCCTTGGCGGCGAGAAAG 3', SEQ ID NO:48). (See Table 3). The PCR product, digested with *Sma*I enzyme, was ligated with the 4.0 kb blunted *Xba*I-*Bsa*AI fragment from pYA3608 (Figure 30 and 31A), a plasmid possessing an SD-GTG *asd* and the *ara*C PBAD fragment from *Escherichia coli* B/r, to result in plasmid pYA3611.